

Especificaciones Clamp

DIAMETRO (mm)	25	32	40
FLUIDO	Aire Comprimido		
ACCIONAMIENTO	Doble Accion		
GIRO	Izq. o Der. 80° / Izq. o Der. 180°		
Maxima presion de trabajo	11 bar		
CONEXION	M5X0.8	1/8"	
Minima presion de trabajo	1 bar		
Temperatura	5 - 70 °C		
Velocidad de Operacion	30-300 mm/seg		
LUBRICACION	Se recomienda ISO VG32		
CARRERA	26 mm / 27 mm		
MATERIAL	Aleacion de Aluminio		



Specification

Bore size	mm	25	32	40	50	63
Action	Double acting type					
Fluid	Air (to be filtered by 40 μm filter element)					
Pressure range	0.15~1.0MPa (23~145psi)					
Proof pressure	1.5MPa (213psi)					
Temperature	°C -5~70					
Speed range	mm/s 30~300			30~200		
Cushion type	No					
Port size	M5 x 0.8			PT 1/8		

Note: Please use throttle device to throttle if without the cushion.

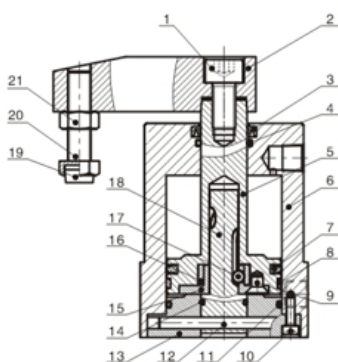
Ordering Code

ACK	L	25	x	90
Model	Rotation direction L: Push and turn Left R: Push and turn right	Bore size	Rotary angle	
ACK: Double acting type			90: 90° 180: 180°	
ACKD: Double push plate type (only for 90°)				

Stroke

				Unit: mm	
Bore size (mm)	Stroke's type	90°	180°	Total stroke(90°/180°)	
25、32	Rotation stroke	14	20	26	
	Clamping stroke	12	6		
40	Rotation stroke	15	21	27	
	Clamping stroke	12	6		
50、63	Rotation stroke	15	21	29	
	Clamping stroke	14	8		

Inner Structure



NO.	Item	NO.	Item	NO.	Item
1	Screw	8	Wear ring	15	Push block
2	Rocker	9	Screw	16	Bushing
3	Rod packing	10	Screw	17	Steel ball
4	O-ring	11	O-ring	18	Rotation axis
5	Piston rod	12	Fixed pin	19	Bumper
6	Body	13	Back cover	20	Screw
7	Piston O-ring	14	O-ring	21	Nut

Material of Major Parts

Bore size (mm)	25	32	40	50	63
Body	Aluminum alloy				
Back cover	Aluminum alloy				
Rocker	Steel				
Rod packing	NBR				
Piston O-ring	NBR				
O-ring	NBR				
Bumper	PTFE				
Fixed pin	S45C				
Piston rod	S45C				
Rotation axis	SCr440				
Wear ring	PTFE+Graphite				

Clamping Force

Bore size (mm)	25	32	40	50	63	
Rod size (mm)	14	16	16	20	20	
Operating pressure (MPa)	0.1	-	60.3	105.6	164.9	280.3
	0.2	67.4	120.6	211.1	329.9	560.6
	0.3	101.1	181.0	316.7	494.8	840.9
	0.4	134.8	241.3	422.2	659.7	1121.2
	0.5	168.5	301.6	527.8	824.7	1401.5
	0.6	202.2	361.9	633.3	989.6	1681.9
	0.7	235.9	422.2	738.9	1154.5	1962.2

Definition of Rotate Direction

<p>Left turn</p> <p>Push and turn counter-clockwise</p> <p>Ordering code is L.</p>	<p>Right turn</p> <p>Push and turn clockwise</p> <p>Ordering code is R.</p>
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Dimensions

<p>ACK Series</p> <p>Symbol</p>	<p>Stroke=F Rotation stroke=F1 Clamping stroke=F2</p>	<p>4-φP Thro hole</p>														
<p>ACKD Series</p> <p>Symbol</p>		<p>4-φP Thro hole</p>														
Bore size/item	A	B	C	D	E	G	H	H1	I	J	J1	K	M	N	P	Q
25	65	23	69	16	14	35	48	76	8	30	60	M6 x 1.0	40	30	4.5	52
32	73	23	76	19	16	50	70	118	9	50	100	M8 x 1.25	54	44	6.5	74
40	74	26	78	19	16	55	70	118	9	50	100	M8 x 1.25	58	48	6.5	79
50	80	26	84	25.4	20	60	93	160	10	70	140	M10 x 1.5	68	55	8.5	91
63	86	30	90	25.4	20	70	93	160	10	70	140	M10 x 1.5	82	64	8.5	108
Bore size/item	F(90°/180°)	F1(90°)	F2(90°)	F1(180°)	F2(180°)	S	V									
25	26	14	12	20	6	29.5	M5 x 0.8									
32	26	14	12	20	6	37.5	PT1/8									
40	27	15	12	21	6	37.5	PT1/8									
50	29	15	14	21	8	45	PT1/8									
63	29	15	14	21	8	45	PT1/8									